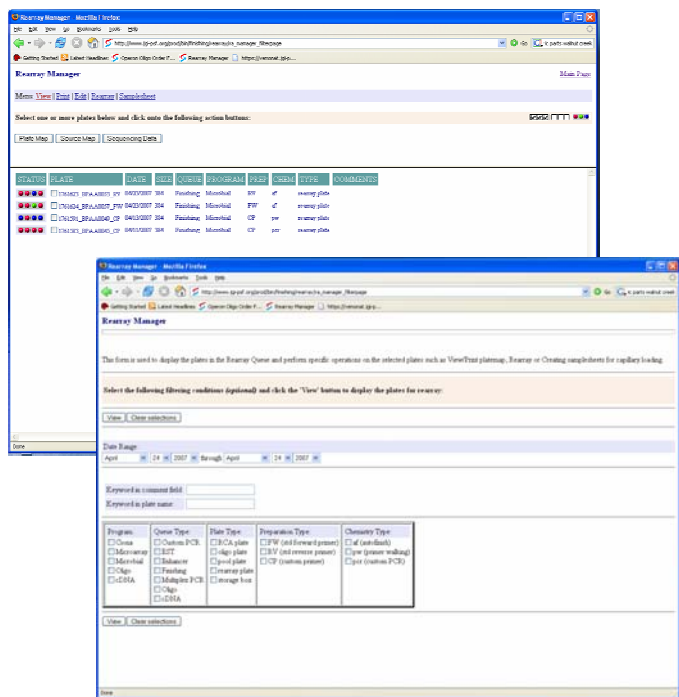
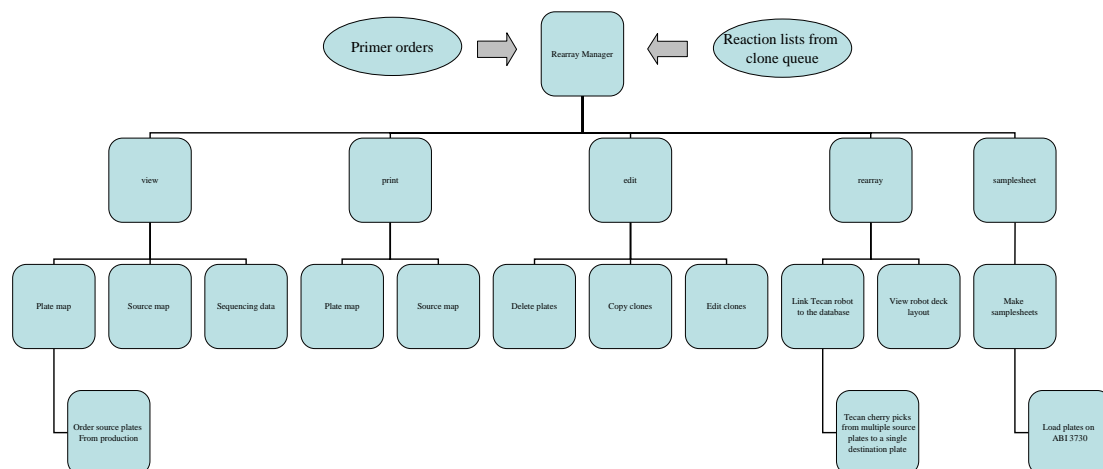


Rearray Manager

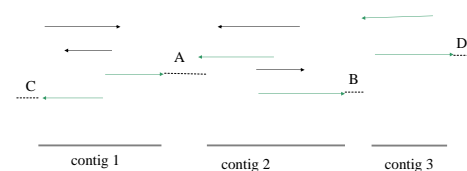
OVERVIEW OF REARRAY MANAGER



Although the Tecan can be programmed for many different functions we use the Tecan to pick from multiple source plate into a single destination plate. Plates are placed on the deck in a specific order based on plate name and number. The eight needles pick clones or primers and put them in the appropriate well in the destination plate. In between picking each set of eight samples the needles are rinsed with water and 2% bleach to prevent contamination.

How Does Rearray Manager fit into the finishing process?

Reactions are picked in consed and once primer orders are sent to vendors the reaction lists and the primers get added to the Rearray Manager system. This needs to happen so Tecan can cherry pick primers and glycerol stocks. Once the glycerol stocks have been picked they are grown overnight, then they go through RCA, sequencing chemistry and BET cleanup. Now the plate is ready to be sequenced. Samplesheets are made by the Rearray Manager so the plate can be loaded on an ABI 3730. Once the reactions finish the data is added to a project using consed. More reactions are picked and the cycle repeats itself until the project is closed, meaning no more gaps, and polished, meaning it meets our quality standards. At this point projects are handed over for quality control/quality assurance.



The lower screenshot shows the home page for the Rearray Manager. Searches can be narrowed by several factors but we primarily search by date and plate or library name.

The top screenshot is an example of a search by library and date. The bullets in the status bar are for Oligo2 rearray, Oligo1 rearray, DNA template rearray, samplesheet creation respectively. Red indicates an uncompleted task, green indicates the task is in progress, and blue indicates a completed task.